

CLAIMS

1) A kit for inflating and repairing inflatable articles, in particular, tyres; the kit comprising a
5 compressor assembly (2), a container (3) of sealing liquid, and connecting means (4, 5) for connecting the container to the compressor assembly (2) and to an inflatable article for repair or inflation, and being characterized by comprising an outer casing (6) housing
10 said compressor assembly (2) and defining a seat (7) for the container (3) of sealing liquid, said container (3) being housed removably in said seat (7), and by comprising connecting means (4, 40) for stably connecting said container to said compressor assembly (2), so that
15 the container, when housed in said seat (7), is maintained functionally connected to said compressor assembly (2).

2) A kit as claimed in Claim 1, characterized in that said connecting means comprise a compressed-air feed
20 line (4) for feeding compressed air from said compressor assembly (2) to said container (3); said container (3) comprising a vessel (15) having an opening (17), and a valve device (18) fitted in fluidtight manner to the opening (17) and having an inlet (27c) connectable to
25 said compressed-air feed line (4), and an outlet (29a) for the sealing liquid.

3) A kit as claimed in Claim 2, characterized in that said valve device (18) comprises at least one

control member (30) movable, in response to pressurization of said compressed-air feed line (4), from a closed position, closing said valve device (18) and in which said inlet (27c) and said outlet (29a) are isolated
5 from the inside of said container (3), to an open position in which said inlet (27c) and said outlet (29a) communicate with the inside of said container (3).

4) A kit as claimed in Claim 3, characterized in that said valve device (18) comprises elastic means (31)
10 for keeping said control member (30) stably in said closed position in the absence of pressure to said inlet (27c).

5) A kit as claimed in one of the foregoing Claims, characterized by comprising a dispenser unit (40)
15 connectable detachably to said container (3) and having an inlet fitting (53) connected in fluidtight manner to said inlet (27c) of said valve device (18), and an outlet fitting (50) connected in fluidtight manner to said outlet (29a) of said valve device (18).

20 6) A kit as claimed in Claim 5, characterized in that said dispenser unit is detachable from said casing.

7) A kit as claimed in Claim 6, characterized in that said seat (7) comprises a base portion (14) having fast-fit fastening means (49) by which to secure said
25 dispenser unit (40) to said casing (6).

8) A kit as claimed in Claim 7, characterized in that said fastening means (49) comprise a bayonet connection.

9) A kit as claimed in one of Claims 5 to 8, characterized in that said dispenser unit (40) comprises a cavity (48) to which is fitted a neck (16) of said container (3) in an upside down position; said neck (16) defining said opening (17).

10) A kit as claimed in any one of the foregoing Claims, characterized by comprising an additional hose (83) cooperating with said inflatable article; and a three-way valve (81) input connected to said compressor assembly (2), and output connected to said container (3) and to said additional hose (83) to direct a stream of compressed air selectively to said container (3) or to said additional hose (83).

11) A kit as claimed in Claim 9, characterized in that said three-way valve (81) is controlled by a selector (85) which can be set to a disabling position, in which operation of said compressor assembly (2) is disabled; to a first enabling position, in which operation of said compressor assembly (2) is enabled, and said container (3) is connected fluidically to said compressor assembly (2); and to a second enabling position, in which operation of said compressor assembly (2) is enabled, and said additional hose (83) is connected fluidically to said compressor assembly (2).

12) A kit as claimed in any one of the foregoing Claims, characterized in that at least one of said connecting means (4) and said additional hose (83) is connected to a relief valve (87).

13) A kit as claimed in any one of the foregoing Claims, characterized in that said connecting means (5) comprise a non-return valve.

14) A kit as claimed in Claim 7, characterized in
5 that said fastening means comprise a fast-fit click-on coupling.